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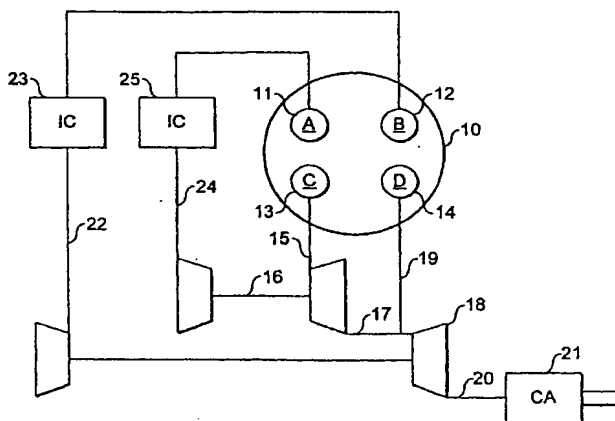
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(54) Title: AN INTERNAL COMBUSTION ENGINE



(57) Abstract: With reference to Figure 1, the present invention relates to an internal combustion engine comprising: a combustion chamber (10); first (A) and second (B) inlet valves controlling flow of air into the combustion chamber; first (C) and second (D) exhaust valves; and first (16) and second (18) turbochargers. The first turbocharger (16) is connected to the first inlet valve (A) and the second turbocharger (18) is connected to the second inlet valve (B). The first turbocharger (16) is connected to the first exhaust valve (C) and receives only combusted gases expelled via the first exhaust valve (C). The second turbocharger (18) is connected to the second exhaust valve (D) and all combusted gases expelled via the second exhaust valve flow to the second turbocharger (18) without passing through the first turbo-charger (16). The first inlet valve (A) and first exhaust valve (C) are controlled independently from the second inlet valve (B) and the second exhaust valve (D) to provide variation in the ratio of the mass of charge air supplied to the combustion chamber (10) via the first inlet valve (A) to the mass of charge air supplied to the combustion chamber (10) via the second inlet valve (B).

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